SEQUENCE LISTING

<110>	Duffy, Hao-Peng Xu
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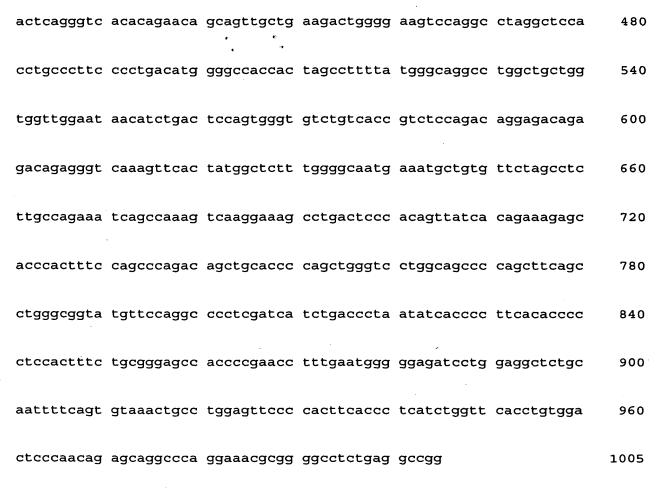
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Ser Ala Pro Ser Arg Ala Gly Ala Leu Leu Leu Leu Leu Leu Leu													
20 25 30													
agg tet gea ggt tge tgg gge gea ggg gaa gee eeg ggg geg etg tee	203												
Arg Ser Ala Gly Cys Trp Gly Ala Gly Glu Ala Pro Gly Ala Leu Ser													
35 40 45													
act gct gat ccc gcc gac cag agc gtc cag tgt gtc ccc aag gcc acc	251												
Thr Ala Asp Pro Ala Asp Gln Ser Val Gln Cys Val Pro Lys Ala Thr													
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Cys Pro Ser Ser Arg Pro Arg Leu Leu Trp Gln Thr Pro Thr Thr Gln													
65 70 75 80													
aca ctg ccc tcg acc acc atg gag acc caa ttc cca gtt tct gaa ggc	347												
Thr Leu Pro Ser Thr Thr Met Glu Thr Gln Phe Pro Val Ser Glu Gly													
85 90 95													
aaa gtc gac cca tac cgc tcc tgt ggc ttt tcc tac gag cag gac ccc	395												
Lys Val Asp Pro tyr Arg Ser Cys Gly Phe Ser tyr Glu Gln Asp Pro													
100 105 110													

acc	ctc	agg	gac	cca	gaa	gcc	gtg	gct	cgg	cgg	tgg	ccc	tgg	atg	gtc	•	443
Thr	Leu	Arg	Asp	Pro	Glu	Ala	Val	Ala	Arg	Arg	Trp	Pro	Trp	Met	Val		
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agc	gtg	cgg	gcc	aat	ggc	aca	cac	atc	tgt	gcc	ggc	acc	atc	att	gcc		491
Ser	Val	Arg	Ala	Asn	Gly	Thr	His	Ile	Cys	Ala	Gly	Thr	Ile	Ile	Ala		
	130					135					140						
tcc	cag	tgg	gtg	ctg	act	gtg	gcc	cac	tgc	ctg	atc	tgg	cgt	gat	gtt		539
Ser	Gln	Trp	Val	Leu	Thr	Val	Ala	His	Cys	Leu	Ile	Trp	Arg	Asp	Val		
145					150					155					160		٠
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Ile	tyr	Ser	Val	Arg	Val	Gly	Ser	Pro	Trp	Ile	Asp	Gln	Met	Thr	Gln		
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acc	gcc	tcc	gat	gtc	ccg	gtg	ctc	cag	gtc	atc	atg	cat	agc	agg	tac		635
Thr	Ala	Ser	Asp	Val	Pro	Val	Leu	Gln	Val	Ile	Met	His	Ser	Arg	Tyr		
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			cgg														683
Arg	Ala	Gln	Arg	Phe	Trp	Ser	Trp	Val	Gly	Gln	Ala	Asn	Asp	Ile	Gly		
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ctc	ctc	aag	ctc	aag	cag	gaa	ctc	aag	tac	agc	aat	tac	gtg	cgg	CCC		731
Leu	Leu	Lys	Leu	Lys	Gln	Glu	Leu	Lys	tyr	Ser	Asn	tyr	Val	Arg	Pro		
	210					215					220						
atc	tgc	ctg	cct	ggc	acg	gac	tat	gtg	ttg	aag	gac	cat	tcc	cgc	tgc		779
Ile	Cys	Leu	Pro	Gly	Thr	Asp	tyr	Val	Leu	Lys	Asp	His	Ser	Arg	Cys		
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act	gtg	acg	ggc	tgg	gga	ctt	tcc	aag	gct	gac	ggc	atg	tgg	cct	cag		827
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Cys	Asp	Asn	Phe	tyr	His	Asn	Phe	Thr	Lys	Ile	Pro	Thr	Leu	Val	Gln	
		275					280					285				
atc	atc	aag	tcc	cag	atg	atg	tgt	gcg	gag	gac	acc	cac	agg	gag	aag	971
Ile	Ile	Lys	Ser	Gln	Met	Met	Cys	Ala	Glu	Asp	Thr	His	Arg	Glu	Lys	
	290		•			295					300					
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Phe	Cys	tyr	Glu	Leu	Thr	Gly	Glu	Pro	Leu	Val	Cys	Ser	Met	Glu	Gly	
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Thr	Trp	tyr	Leu	Val	Gly	Leu	Val	Ser	Trp	Gly	Ala	Gly	Cys	Gln	Lys	
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agc	gag	gcc	cca	ccc	atc	tac	cta	cag	gtc	tcc	tcc	tac	caa	cac	tgg	1115
Ser	Glu	Ala	Pro	Pro	Ile	tyr	Leu	Gln	Val	Ser	Ser	tyr	Gln	His	Trp	
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atc	tgg	gac	tgc	ctc	aac	ggg	cag	gcc	ctg	gcc	ctg	cca	gcc	cca	tcc	1163
Ile	Trp	Asp	Cys	Leu	Asn	Gly	Gln	Ala	Leu	Ala	Leu	Pro	Ala	Pro	Ser	
		355					360					365				
agg	acc	ctg	ctc	ctg	gca	ctc	cca	ctg	ccc	ctc	agc	ctc	ctt	gct	gcc	1211
Arg	Thr	Leu	Leu	Leu	Ala	Leu	Pro	Leu	Pro	Leu	Ser	Leu	Leu	Ala	Ala	
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Leu																
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ctg ccc cct ccc	gcg ccg gtg	ccc tgc t	gc tgc tgc ttc	tgt tgc tga	96
Ser Ala Pro Ser	Arg Ala Gly	Ala Leu L	eu Leu Leu Leu	Leu Leu Leu	
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ggt ctg cag gtt	gct ggg gcg	cag ggg a	ag ccc cgg ggg	cgc tgt cca	144
Arg Ser Ala Gly	Cys Trp Gly	Ala Gly G	lu Ala Pro Gly	Ala Leu Ser	
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ctg ctg atc ccg					192
Thr Ala Asp Pro		Ser Val G		Lys Ala Thr	
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gtc ctt cca gcc				_	240
Cys Pro Ser Ser		Leu Leu T			
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cac tgc cct cga			-		288
Thr Leu Pro Ser				-	
	85	90	υ	95	

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Lys	Val	Asp	Pro	tyr	Arg	Ser	Cys	Gly	Phe	Ser	tyr	Glu	Gln	Asp	Pro	
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Thr	Leu	Arg	Asp	Pro	Glu	Ala	Val	Ala	Arg	Arg	Trp	Pro	Trp	Met	Val	
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Leu	Leu	Lys	Leu	Lys	Gln	Glu	Leu	Lys	tyr	Ser	Asn	tyr	Val	Arg	Pro	
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225				_	230	-				235	_			-	240	

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Phe	Arg	Thr	Ile	Gln	Glu	Lys	Glu	Val	Ile	Ile	Leu	Asn	Asn	Lys	Glu	
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			tct													864
Cys	Asp	Asn	Phe	tyr	His	Asn		Thr	Lys	Ile	Pro		Leu	Val	Gln	
		275					280					285				
													~~~	200	agt	912
			ccc													912
11e		гла	Ser	GIN	мес	мес 295	Cys	Ala	GIU	Asp	300	uis	Arg	GIU	пув	
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tct	act	ato	agc	taa	cta	gag	agc	cct	taa	tct	act	cca	taa	aqq	qca	960
			Glu													
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cgt	ggt	acc	tgg	tgg	gat	tgg	tga	gct	ggg	gtg	cag	gct	gcc	aga	aga	1008
Thr	Trp	tyr	Leu	Val	Gly	Leu	Val	Ser	Trp	Gly	Ala	Gly	Cys	Gln	Lys	
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gcg	agg	ccc	cac	cca	tct	acc	tac	agg	tct	cct	cct	acc	aac	act	gga	1056
Ser	Glu	Ala	Pro	Pro	Ile	tyr	Leu	Gln	Val	Ser	Ser	tyr	Gln	His	Trp	
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			gcc													1104
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																4450
			tcc													1152
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tct

Leu

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Cys Pro Ser Ser Arg Pro Arg Leu Leu Trp Gln Thr Pro Thr Thr Gln 65 70 75 80

Thr Leu Pro Ser Thr Thr Met Glu Thr Gln Phe Pro Val Ser Glu Gly
85 90 95

Lys Val Asp Pro Tyr Arg Ser Cys Gly Phe Ser Tyr Glu Gln Asp Pro 100 105 110

Thr Leu Arg Asp Pro Glu Ala Val Ala Arg Arg Trp Pro Trp Met Val

Ser Val Arg Ala Asn Gly Thr His Ile Cys Ala Gly Thr Ile Ile Ala 130 135 140

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Thr	Ala	Ser	Asp	Val	Pro	Val	Leu	Gln	Val	Ile	Met	His	Ser	Arg	Tyr
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Arg	Ala	Gln	Arg	Phe	Trp	Ser	Trp	Val	Gly	Gln	Ala	Asn	Asp	Ile	Gly
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Leu	Leu	Lys	Leu	Lys	Gln	Glu	Leu	Lys	Tyr	Ser	Asn	Tyr	Val	Arg	Pro
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Thr	Val	Thr	Gly	Trp	Gly	Leu	Ser	Lys	Ala	Asp	Gly	Met	Trp	Pro	Gln
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Phe	Arg	Thr	Ile	Gln	Glu	Lys	Glu	Val	Ile	Ile	Leu	Asn	Asn	Lys	Glu
			260					265					270		
Cys	Asp	Asn	Phe	Tyr	His	Asn	Phe	Thr	Lys	Ile	Pro	Thr	Leu	Val	Gln
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Ile	Ile	Lys	Ser	Gln	Met	Met	Cys	Ala	Glu	Asp	Thr	His	Arg	Glu	Lys
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Arg Thr Leu Leu Leu Ala Leu Pro Leu Pro Leu Ser Leu Leu Ala Ala 370 375 380

Leu

385